

# P R I O R A R T

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Tsutomu TOKUNAGA, et al.  
Q77507  
METHOD FOR DRIVING.....  
Filing Date: October 6, 2003  
Darryl Mexic 202-663-7909  
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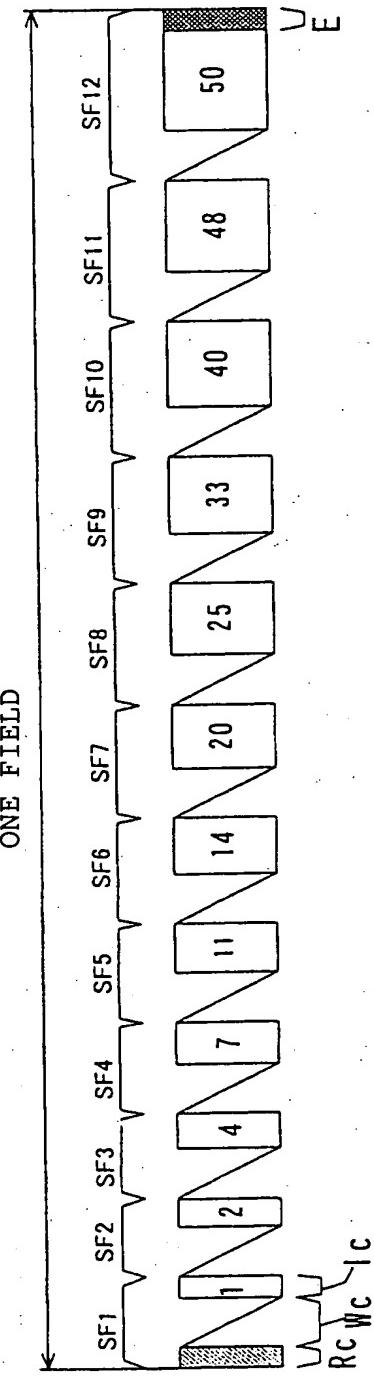


FIG. 1

## GRADATION LEVELS

● : SELECTED LIGHT-EXTINCTION DISCHARGE  
 ○ : LIGHT EMITTING SUBFIELD

CONVERSION TABLE

PDS	GD												LIGHT EMISSION DRIVING PATTERN												DISPLAY LUMINANCE.				
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12					
1	0000	1	0	0	0	0	0	0	0	0	0	0	●												0				
2	0001	0	1	0	0	0	0	0	0	0	0	0	○	●											1				
3	0010	0	0	1	0	0	0	0	0	0	0	0	○	○											3				
4	0011	0	0	0	1	0	0	0	0	0	0	0	○	○	●										7				
5	0100	0	0	0	0	1	0	0	0	0	0	0	○	○	○										14				
6	0101	0	0	0	0	0	1	0	0	0	0	0	○	○	○	●									25				
7	0110	0	0	0	0	0	0	1	0	0	0	0	○	○	○	○									39				
8	0111	0	0	0	0	0	0	0	1	0	0	0	○	○	○	○	●								59				
9	1000	0	0	0	0	0	0	0	0	0	1	0	○	○	○	○	○								84				
10	1001	0	0	0	0	0	0	0	0	0	0	1	○	○	○	○	○	○							117				
11	1010	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	●		157			
12	1011	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	●	205			
13	1100	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	255		

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PRIOR ART

FIG. 2

# P R I O R A R T

(SELECTED LIGHT EXTINCTION)

ONE FIELD

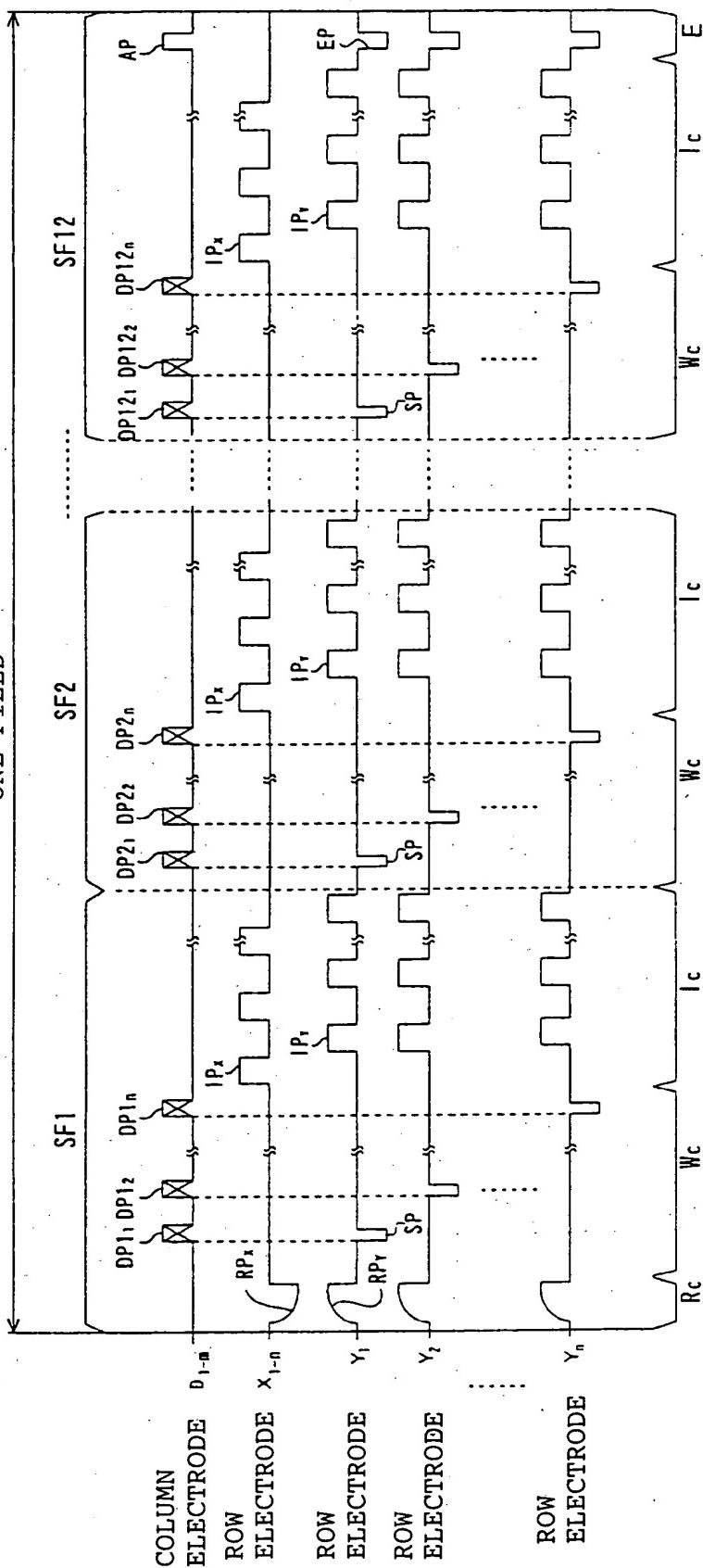


FIG. 3

# PRIOR ART

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DRIVE

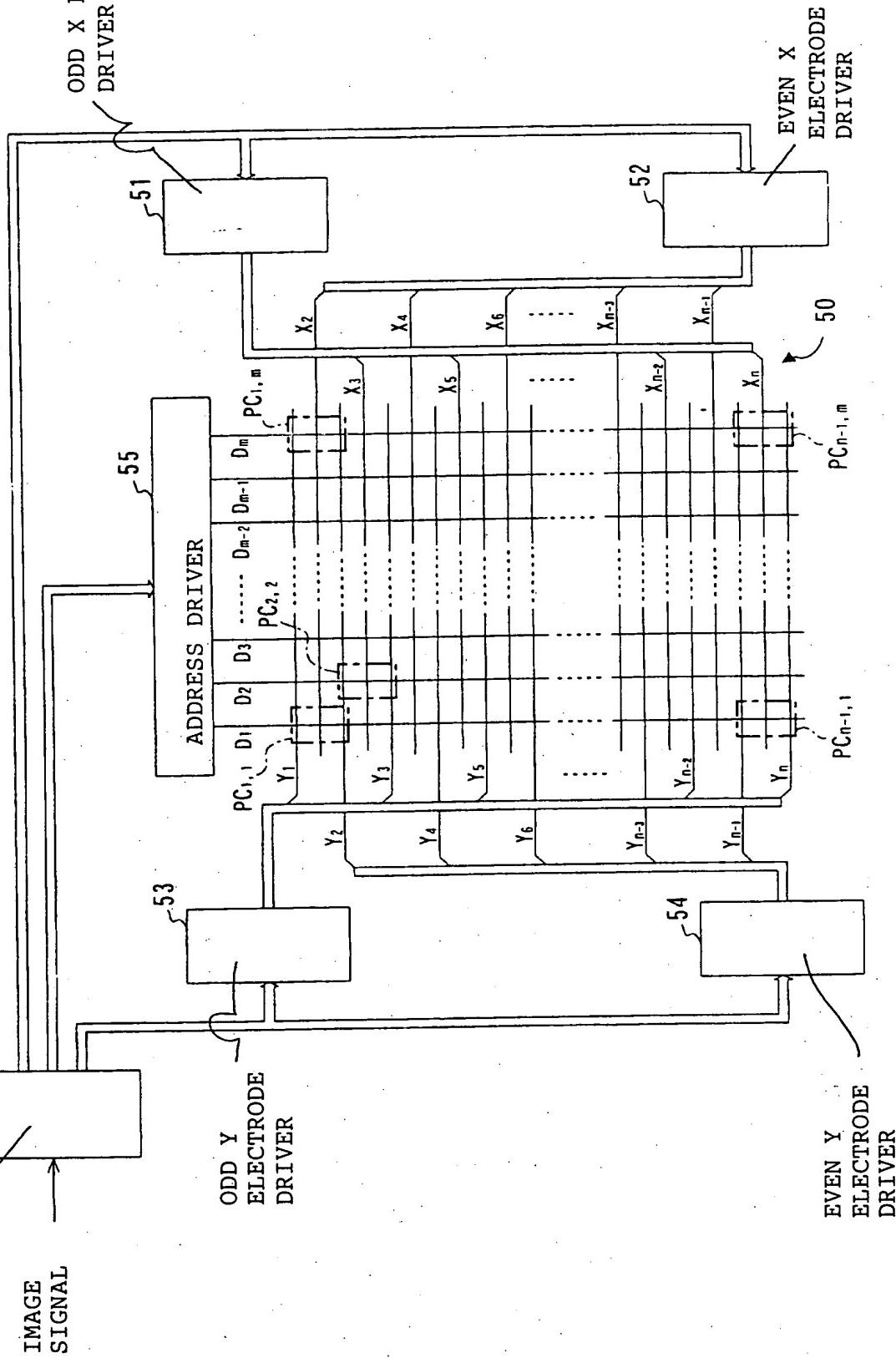
CONTROLLER

IMAGE  
SIGNAL

ODD X ELECTRODE  
DRIVER

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**FIG . 4**

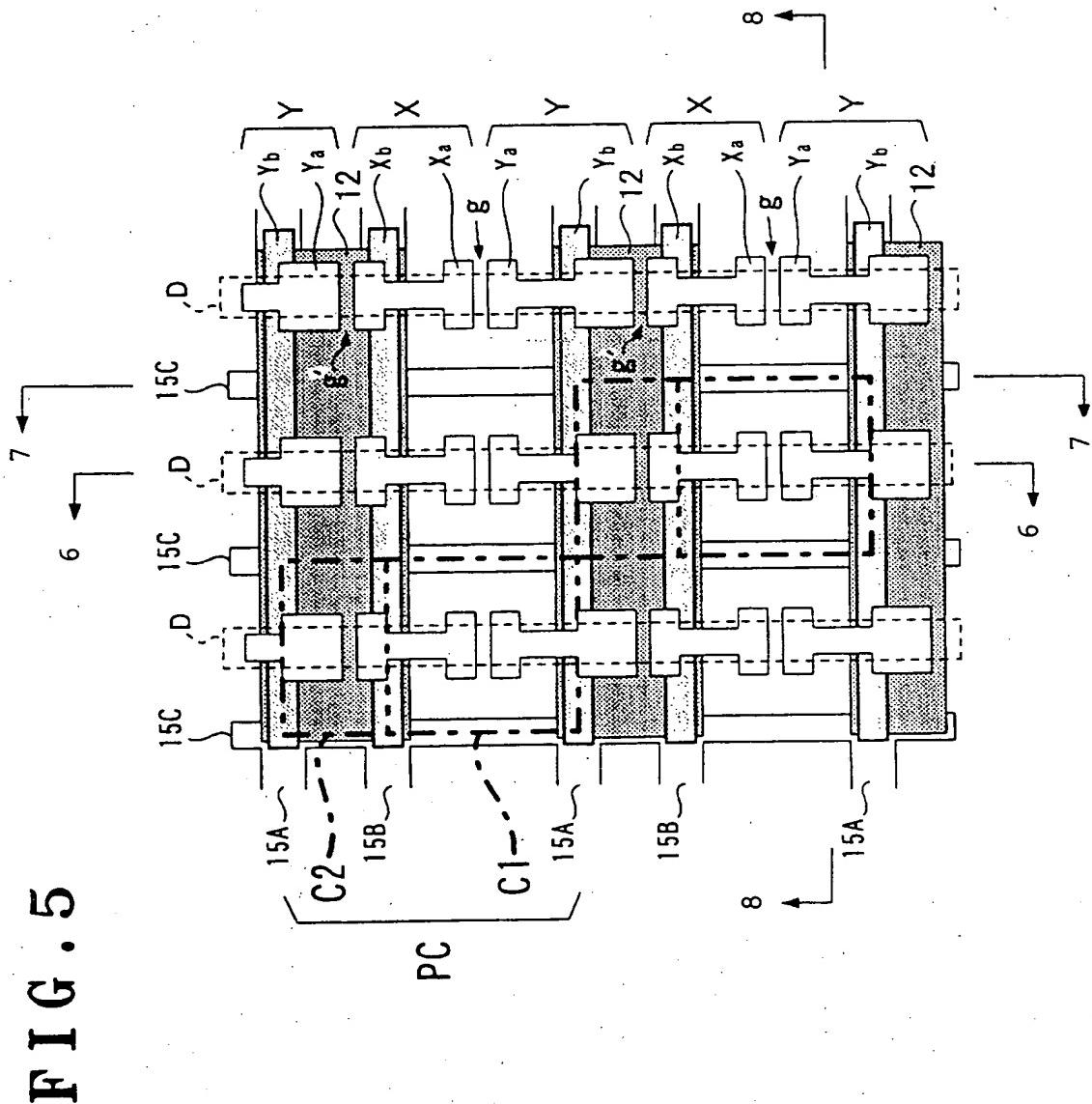
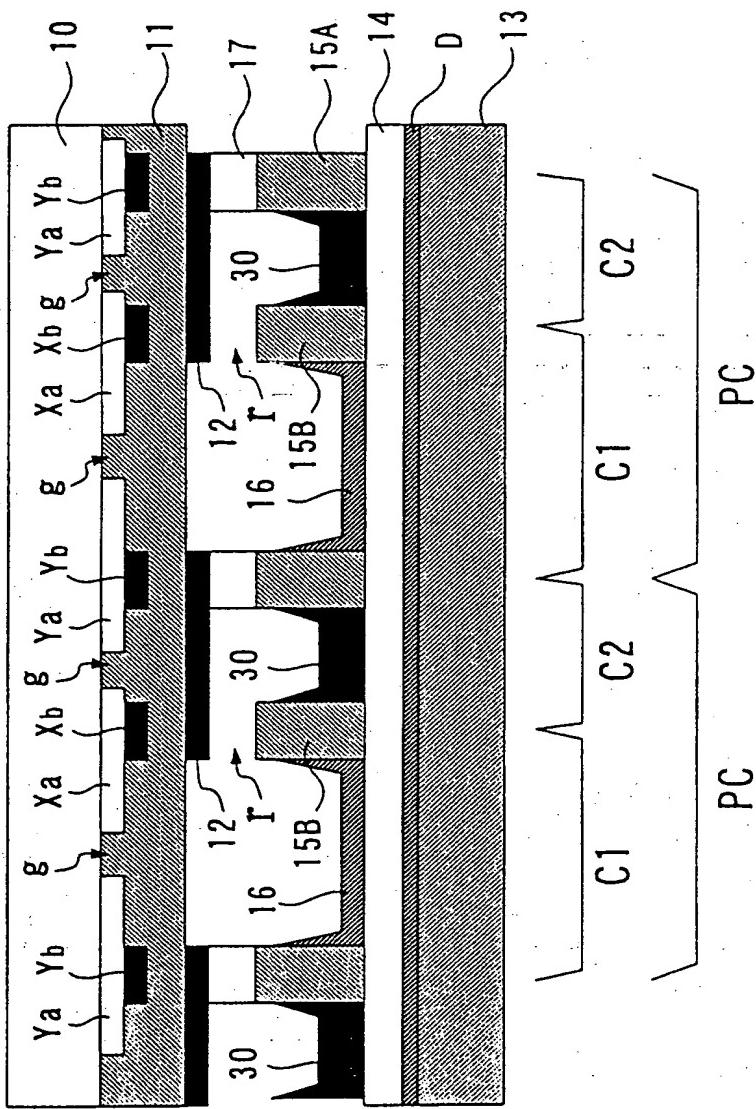


FIG. 5

FIG . 6



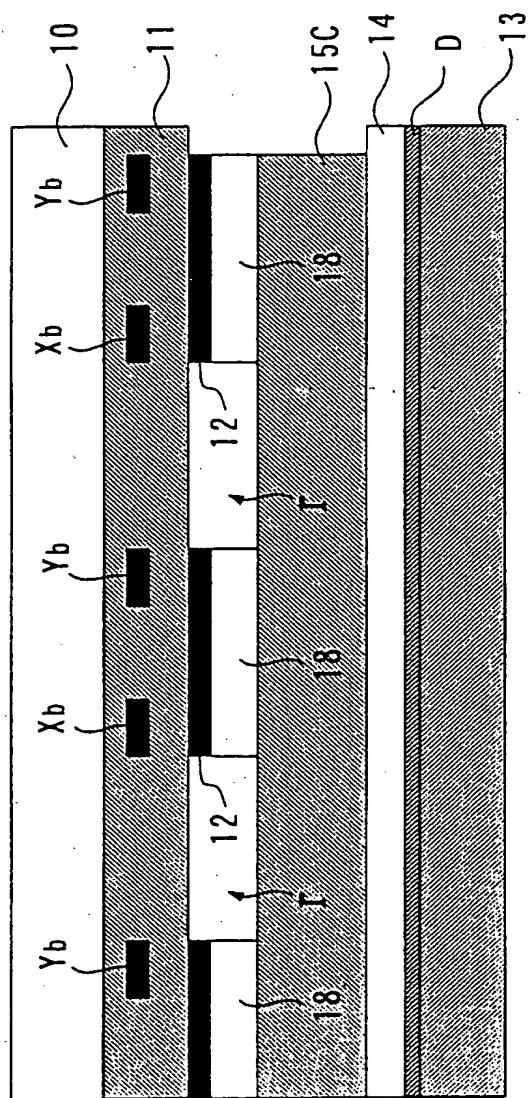


FIG. 7

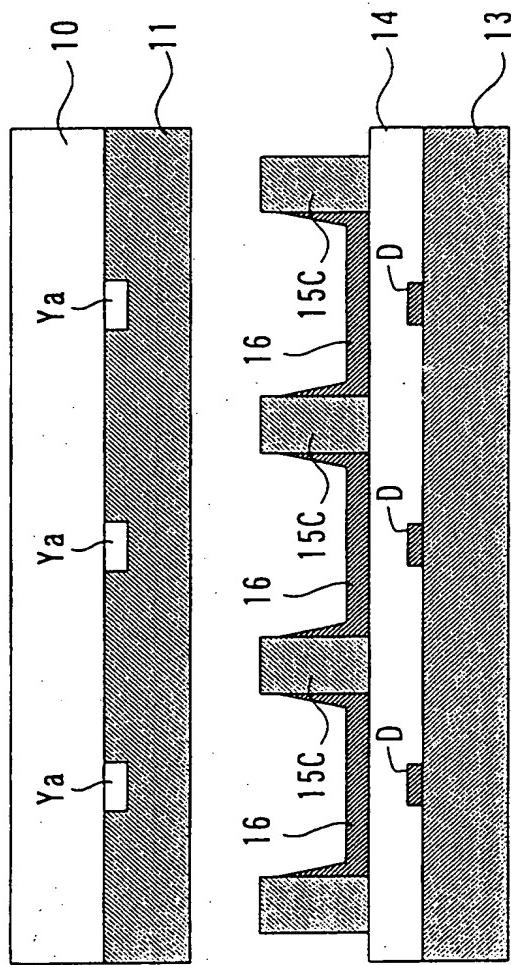


FIG. 8

GRADATION  
DRIVE

**FIG. 9**

	CONVERSION TABLE										LIGHT EMITTING PATTERN									
	PDS					GD					SF									
1ST	0000	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2ND	0001	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3RD	0010	1	0	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4TH	0011	1	0	0	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5TH	0100	1	0	0	0	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6TH	0101	1	0	0	0	0	1	*	*	*	*	*	*	*	*	*	*	*	*	*
7TH	0110	1	0	0	0	0	0	1	*	*	*	*	*	*	*	*	*	*	*	*
8TH	0111	1	0	0	0	0	0	0	1	*	*	*	*	*	*	*	*	*	*	*
9TH	1000	1	0	0	0	0	0	0	0	1	*	*	*	*	*	*	*	*	*	*
10TH	1001	1	0	0	0	0	0	0	0	0	1	*	*	*	*	*	*	*	*	*
11TH	1010	1	0	0	0	0	0	0	0	0	0	1	*	*	*	*	*	*	*	*
12TH	1011	1	0	0	0	0	0	0	0	0	0	0	1	*	*	*	*	*	*	*
13TH	1100	1	0	0	0	0	0	0	0	0	0	0	0	1	*	*	*	*	*	*
14TH	1101	1	0	0	0	0	0	0	0	0	0	0	0	0	1	*	*	*	*	*
15TH	1110	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	*	*	*
16TH	1111	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	*	*

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\*: 0 OR 1      ○ : WRITE ADDRESS DISCHARGE

● : EXTINCTION ADDRESS DISCHARGE

○ : SUSTAINING DISCHARGE

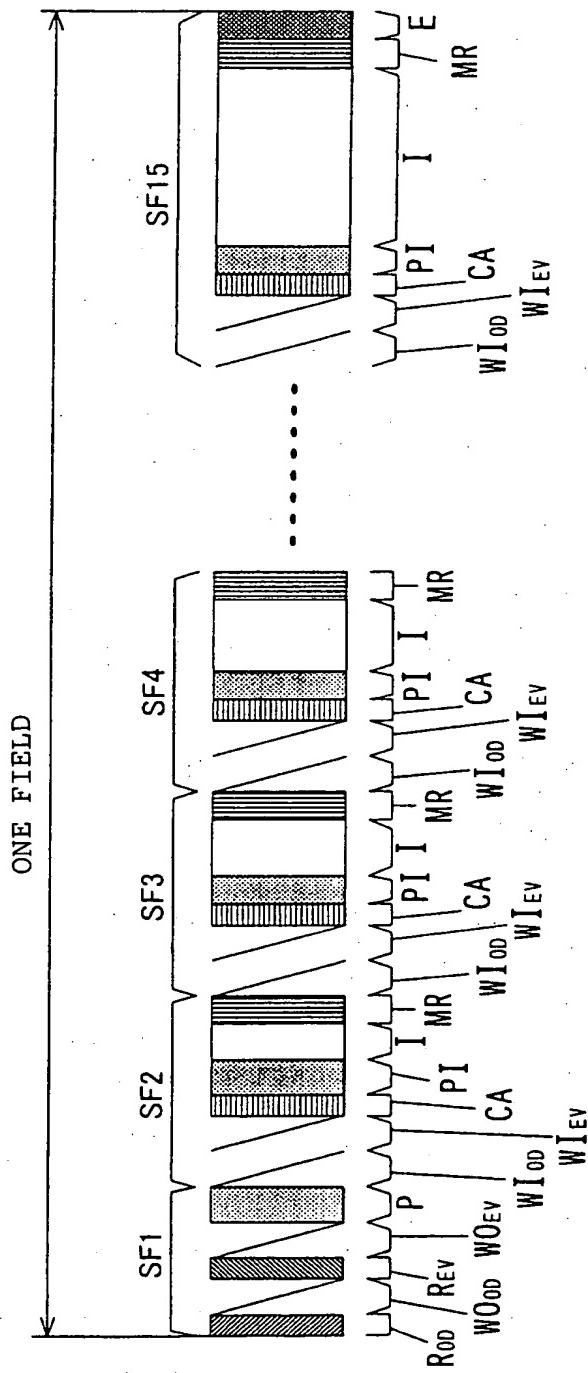


FIG. 10

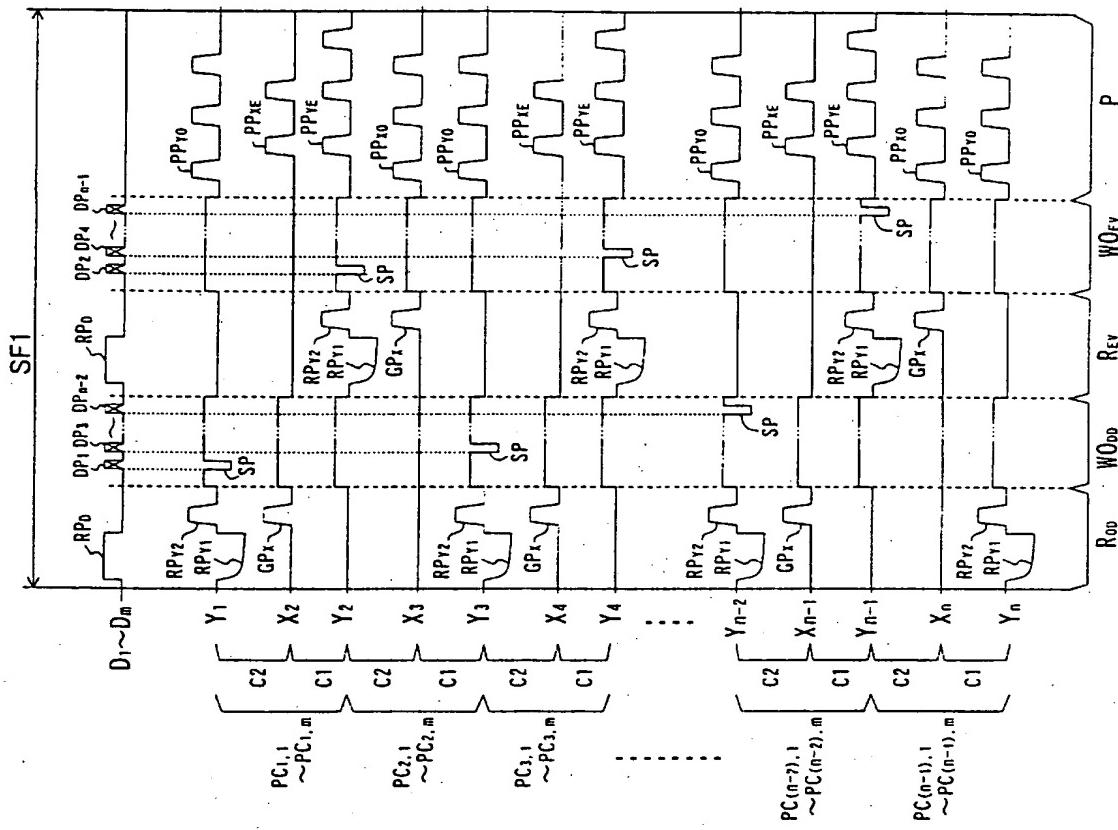
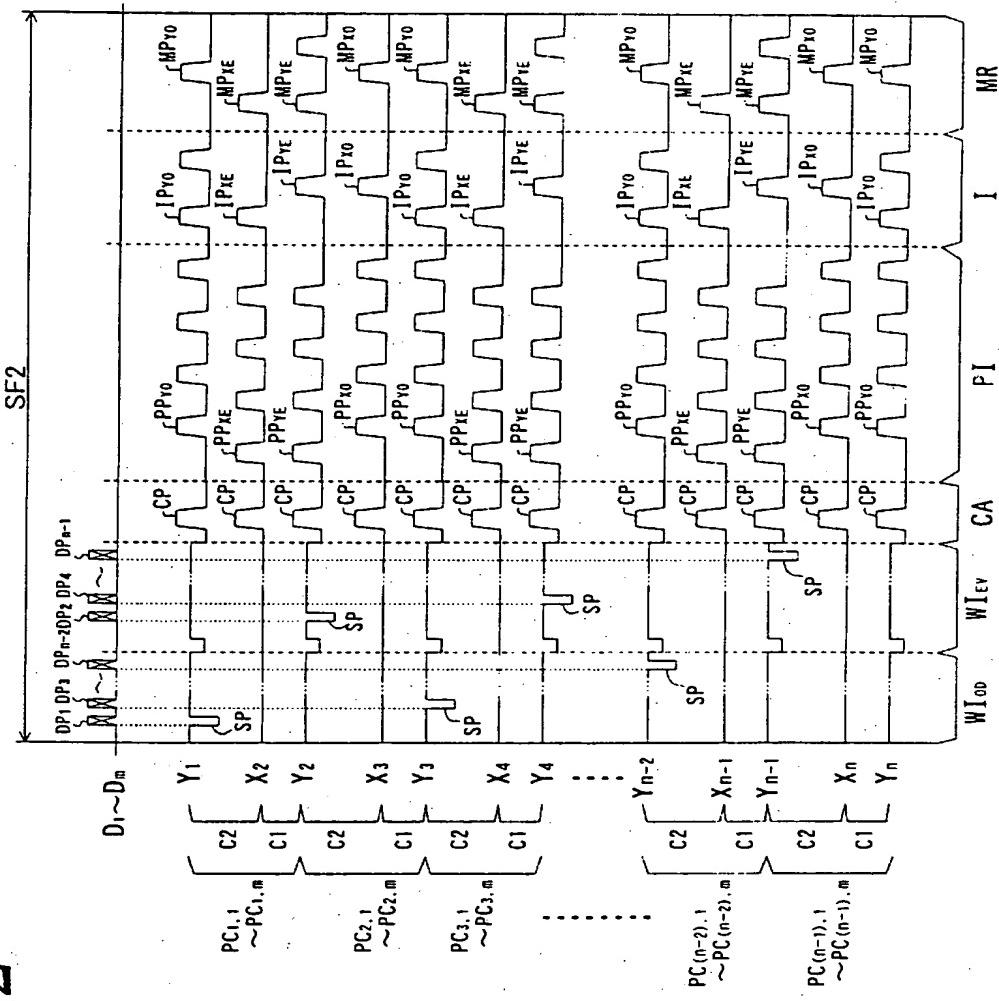
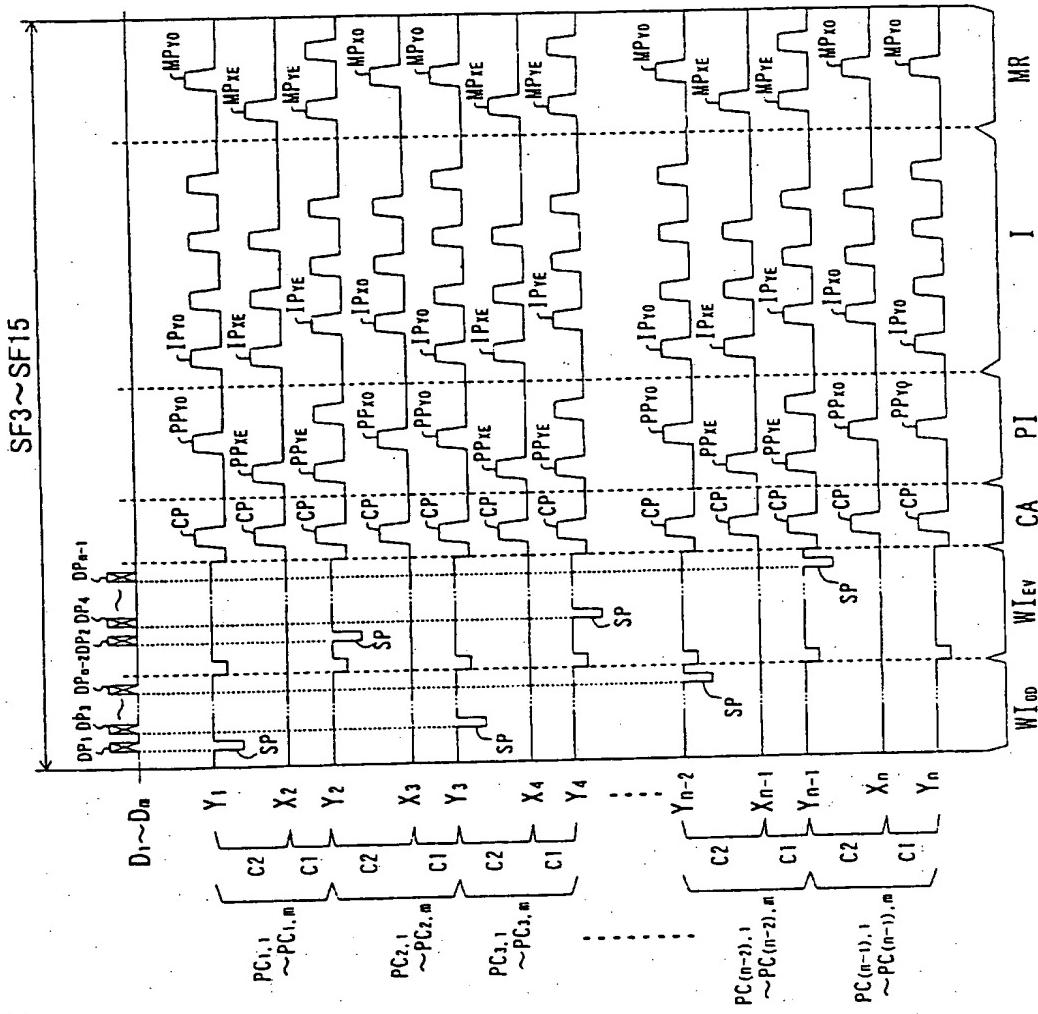


FIG. 11

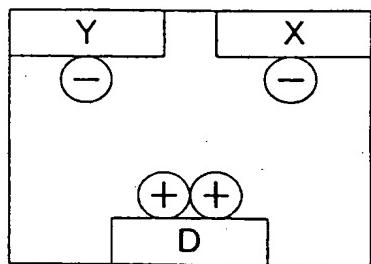
FIG. 12



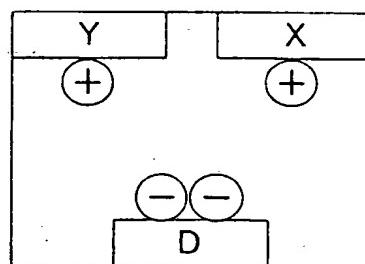
**FIG . 13**



# FIG. 14



(a)



(b)